

Name: \_\_\_\_\_

**pb1103: Factoring when  $a = \text{prime}$  (v1)**

1. Factor the expression  $3x^2 - 7x + 4$

$$(3x - 4)(x - 1)$$

2. Factor the expression  $2x^2 + 11x + 5$

$$(2x + 1)(x + 5)$$

3. Factor the expression  $3x^2 + 22x - 45$

$$(3x - 5)(x + 9)$$

4. Factor the expression  $7x^2 + 22x + 3$

$$(7x + 1)(x + 3)$$

5. Factor the expression  $7x^2 - 15x - 18$

$$(7x + 6)(x - 3)$$

6. Factor the expression  $2x^2 + 21x + 40$

$$(2x + 5)(x + 8)$$

7. Factor the expression  $11x^2 - 63x - 18$

$$(11x + 3)(x - 6)$$

8. Factor the expression  $7x^2 - 18x - 9$

$$(7x + 3)(x - 3)$$

9. Factor the expression  $5x^2 - 49x + 72$

$$(5x - 9)(x - 8)$$

10. Factor the expression  $7x^2 - 60x + 32$

$$(7x - 4)(x - 8)$$